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Morbidity and Mortality Weekly Report

PUBLIC HEALTH SERVICE
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the COMMUNICABLE DISEASE CENTER MElrose 4-5131

For release September 29, 1961 | Atlanta 22, Georgia | Vol. 10, No. 38

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended September 23, 1961

Poliomyelitis – Total and paralytic cases of poliomyelitis reported this week decreased by about one-third. A total of 71 cases, including 41 paralytic, were reported. This is in contrast to the 98 cases, 62 paralytic, reported during the previous week.

Both total and paralytic cases reported through the first 38 weeks are less than half the cases reported in the corresponding period last year. This is shown in the following table:

Poliomyelitis Cases (Cumulative) Through 38th Week

	1961	1960	1959	1958	1957
Paralytic	554	1446	3771	1680	1478
Total	849	2111	5950	3433	4658

New York has accounted for at least one-third of the total cases reported in the United States for the fourth time in the last five weeks. The tri-county outbreak in Upstate New York remains the only significant concentration of poliomyelitis in the United States. (See Epidemiological Reports).

Hepatitis – For the second consecutive week there was an increase in the number of reported hepatitis cases. For the 38th week 1213 cases were reported; 1130 cases had been reported the preceding week. It is too early to say whether or not this represents the beginning of the expected seasonal increase in cases.

Encephalitis – The number of cases of encephalitis remains at an unusually low level.

Table I. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	38th Week			Cumulative						Approximate seasonal low point
				First 38 weeks			Since seasonal low week			
* Weekly incidence low or sporadic --- Data not available - Quantity zero	Ended Sept. 23, 1961	Ended Sept. 24, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax---062	-	2	*	5	15	*	*	*	*	*
Botulism---049.1	-	-	*	5	10	*	*	*	*	*
Brucellosis (undulant fever)---044	15	15	15	454	588	595	*	*	*	*
Diphtheria---055	12	19	20	401	469	540	92	130	143	July 1
Encephalitis, infectious---082	38	58	76	1,173	1,389	1,426	1,173	1,389	1,426	Jan. 1
Hepatitis, infectious, and serum---092,N998.5 pt.	1,213	898	260	56,164	27,810	14,825	3,343	2,269	806	Sept. 1
Malaria---110-117	1	6	*	43	53	*	*	*	*	*
Measles---085	627	733	857	387,689	402,115	449,901	2,061	2,250	2,661	Sept. 1
Meningitis, aseptic---340 pt.	141	166	---	2,143	2,046	---	2,143	2,046	---	Jan. 1
Meningococcal infections---057	29	34	38	1,591	1,630	1,798	76	96	102	Sept. 1
Poliomyelitis---080	71	203	431	849	2,111	4,650	746	1,901	4,122	Apr. 1
Paralytic---080.0,080.1	41	134	218	554	1,446	1,471	494	1,289	1,196	Apr. 1
Nonparalytic---080.2	22	44	141	200	460	2,421	175	433	2,260	Apr. 1
Unspecified---080.3	8	25	72	95	205	758	77	179	666	Apr. 1
Psittacosis---096.2	-	1	*	53	73	*	*	*	*	*
Rabies in man---094	-	-	*	3	2	*	*	*	*	*
Streptococcal sore throat, including scarlet fever---050,051	3,209	3,353	---	242,918	233,760	---	23,707	---	---	Aug. 1
Typhoid fever---040	20	27	26	580	592	747	466	463	567	Apr. 1
Typhus fever, endemic---101	2	2	*	29	53	*	*	*	*	*
Rabies in animals----	61	46	74	2,570	2,733	3,337	3,146	3,701	4,279	Oct. 1

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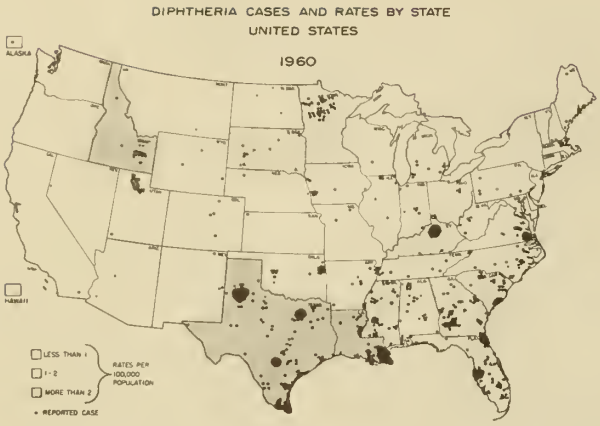
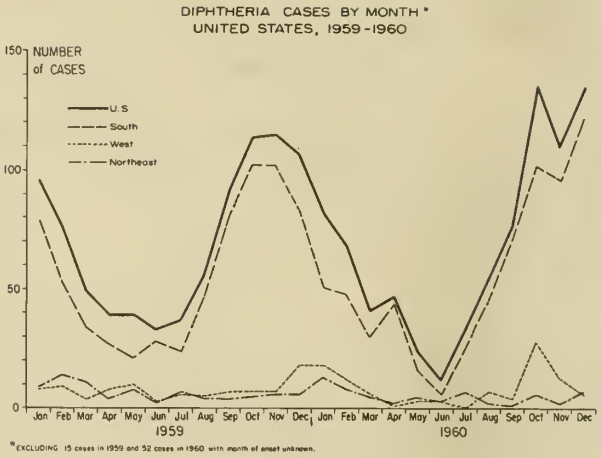



DIPHTHERIA CASES BY MONTH *
UNITED STATES, 1959-1960
NUMBER of CASES
150
100
50
0
U.S
South
West
Northeast
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1959
1960
*EXCLUDING 15 cases in 1959 and 52 cases in 1960 with month of onset unknown.

EPIDEMIOLOGICAL REPORTS

Diphtheria in the U. S.: Present Trends

The occurrence of diphtheria in the United States during the present year is closely following the patterns observed regularly in past years. Although the total of 401 cases reported to date during 1961 has declined slightly when compared with previous years, this decrease is not great.

The concentration of diphtheria in the southern States continues to be striking. The map depicts this distribution for diphtheria cases in 1960. During 1961 this same geographic distribution is apparent. Of 401 reported cases, 311 (77.6%) have occurred in the 17 states comprising the South Atlantic, East South Central, and West South Central Divisions of the country. The sole consistent exception to the low level of diphtheria case incidence in the other states is Minnesota where during the past several years diphtheria associated with infection by a gravis strain *C. diphtheriae* has been repeatedly observed. A total of 24 cases has occurred in Minnesota so far this year.

The coming of autumn in past years has regularly been accompanied by a striking increase in the occurrence of diphtheria. This is demonstrated in the graph in which cases during 1959 and 1960 are charted by month of onset. It is expected that this seasonal pattern will be following during 1961 to the same striking degree, although the rise in cases has not yet been reflected in the weekly state morbidity reports.

Preliminary observations of diphtheria cases reported to Surveillance Section, CDC, with onsets during 1961 reaffirms the fact that the great bulk of cases, particularly severe and fatal cases, is occurring in unimmunized children (See MMWR Vol. 10, No. 25). This is shown for 1960 cases in the following table:

Immunization Status	Cases	Percent	Deaths	Percent
Complete	55	10	0	0
Lapsed	46	8	0	0
Inadequate	56	10	3	8
None	409	72	37	92
Total Confirmed Cases with information on Immunization Status	566	100%	40	100%

Poliomyelitis – New York State

Through Monday, September 25, 71 cases of paralytic poliomyelitis have occurred in the contiguous counties of Onondaga, Madison, and Oneida in Upstate New York. Of the 71 cases, 41 have occurred in Onondaga County (29 in Syracuse), 17 in Madison County, and 13 in Oneida County. The 67 paralytic cases with onset of symptoms since August are shown by county:

Week Ending	8/5	8/12	8/19	8/26	9/2	9/9	9/16	9/23
Onondoga County	2	1	4	11	11	3	6	1
Madison County	4	3	5	2	1	1	0	0
Oneida County	2	2	2	3	1	0	2	0

In addition to the 71 paralytic cases, 22 nonparalytic cases have been recognized in the tri-county area.

(Continued on page 8)

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED SEPTEMBER 24, 1960 AND SEPTEMBER 23, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	38th Week		Cumulative, first 38 weeks		38th Week		Cumulative, first 38 weeks		080.2		340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	71	203	849	2,111	41	134	554	1,446	22	44	141	15
NEW ENGLAND	1	14	18	186	1	14	15	147	-	-	11	-
Maine	-	9	1	30	-	9	1	30	-	-	2	-
New Hampshire	-	-	1	-	-	-	-	-	-	-	-	-
Vermont	-	1	3	6	-	1	3	2	-	-	-	-
Massachusetts	1	-	9	26	1	-	8	18	-	-	4	-
Rhode Island	-	-	-	96	-	-	-	74	-	-	5	-
Connecticut	-	4	4	28	-	4	3	23	-	-	-	-
MIDDLE ATLANTIC	30	35	215	292	17	18	150	213	10	17	8	-
New York	24	22	155	170	13	10	101	114	8	12	1	-
New Jersey	3	4	31	61	1	2	26	46	2	2	-	-
Pennsylvania	3	9	29	61	3	6	23	53	-	3	7	-
EAST NORTH CENTRAL	10	41	94	352	7	26	56	197	2	10	46	2
Ohio	3	13	25	86	1	6	12	38	1	3	5	1
Indiana	1	9	11	75	1	7	6	54	-	1	2	-
Illinois	1	12	21	111	-	10	9	74	1	2	13	-
Michigan	1	3	18	58	1	2	15	26	-	1	24	1
Wisconsin	4	4	19	22	4	1	14	5	-	3	2	-
WEST NORTH CENTRAL	9	11	52	120	4	5	24	63	4	6	34	7
Minnesota	1	1	6	36	1	1	6	29	-	-	23	-
Iowa	5	5	18	19	3	1	9	4	1	4	6	3
Missouri	1	4	12	24	-	3	3	15	1	1	3	-
North Dakota	-	-	2	9	-	-	-	3	-	-	-	-
South Dakota	-	-	1	4	-	-	-	1	-	-	-	1
Nebraska	2	1	6	12	-	-	3	7	2	1	-	-
Kansas	-	-	7	16	-	-	3	4	-	-	2	3
SOUTH ATLANTIC	5	33	142	342	2	30	103	253	3	3	9	2
Delaware	-	-	2	-	-	-	1	-	-	-	-	-
Maryland	-	17	23	51	-	16	23	45	-	1	-	-
District of Columbia	-	-	1	-	-	-	1	-	-	-	-	-
Virginia	1	2	10	17	1	2	8	15	-	-	4	2
West Virginia	3	3	21	32	1	2	13	25	2	1	5	-
North Carolina	1	2	14	67	-	1	7	47	1	1	-	-
South Carolina	-	6	15	110	-	6	10	73	-	-	-	-
Georgia	-	1	27	15	-	1	20	13	-	-	-	-
Florida	-	2	29	50	-	2	20	35	-	-	-	-
EAST SOUTH CENTRAL	4	30	64	146	2	9	39	68	1	1	3	-
Kentucky	-	20	21	76	-	-	5	5	-	-	-	-
Tennessee	3	7	16	29	1	6	8	22	1	1	3	-
Alabama	-	2	9	13	-	2	9	13	-	-	-	-
Mississippi	1	1	18	28	1	1	17	28	-	-	-	-
WEST SOUTH CENTRAL	5	12	114	208	3	9	60	125	2	3	3	3
Arkansas	4	3	15	21	2	3	6	13	2	-	1	2
Louisiana	-	4	36	42	-	3	27	27	-	1	-	-
Oklahoma	-	-	3	12	-	-	-	8	-	-	-	1
Texas	1	5	60	133	1	3	27	77	-	2	2	-
MOUNTAIN	1	3	41	60	-	3	23	27	-	-	-	-
Montana	-	1	3	14	-	1	2	10	-	-	-	-
Idaho	1	-	14	5	-	-	6	1	-	-	-	-
Wyoming	-	-	-	18	-	-	-	-	-	-	-	-
Colorado	-	2	6	11	-	2	6	10	-	-	-	-
New Mexico	-	-	3	4	-	-	-	1	-	-	-	-
Arizona	-	-	7	4	-	-	5	4	-	-	-	-
Utah	-	-	8	4	-	-	4	1	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	6	24	109	405	5	20	84	353	-	4	27	1
Washington	1	5	20	27	-	5	14	27	-	-	5	-
Oregon	1	2	13	28	1	1	6	16	-	1	1	-
California	4	17	73	341	4	14	61	301	-	3	21	1
Alaska	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii	-	-	3	7	-	-	3	7	-	-	-	-
Puerto Rico	-	16	6	448	-	16	6	441	-	-	-	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED SEPTEMBER 24, 1960 AND SEPTEMBER 23, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

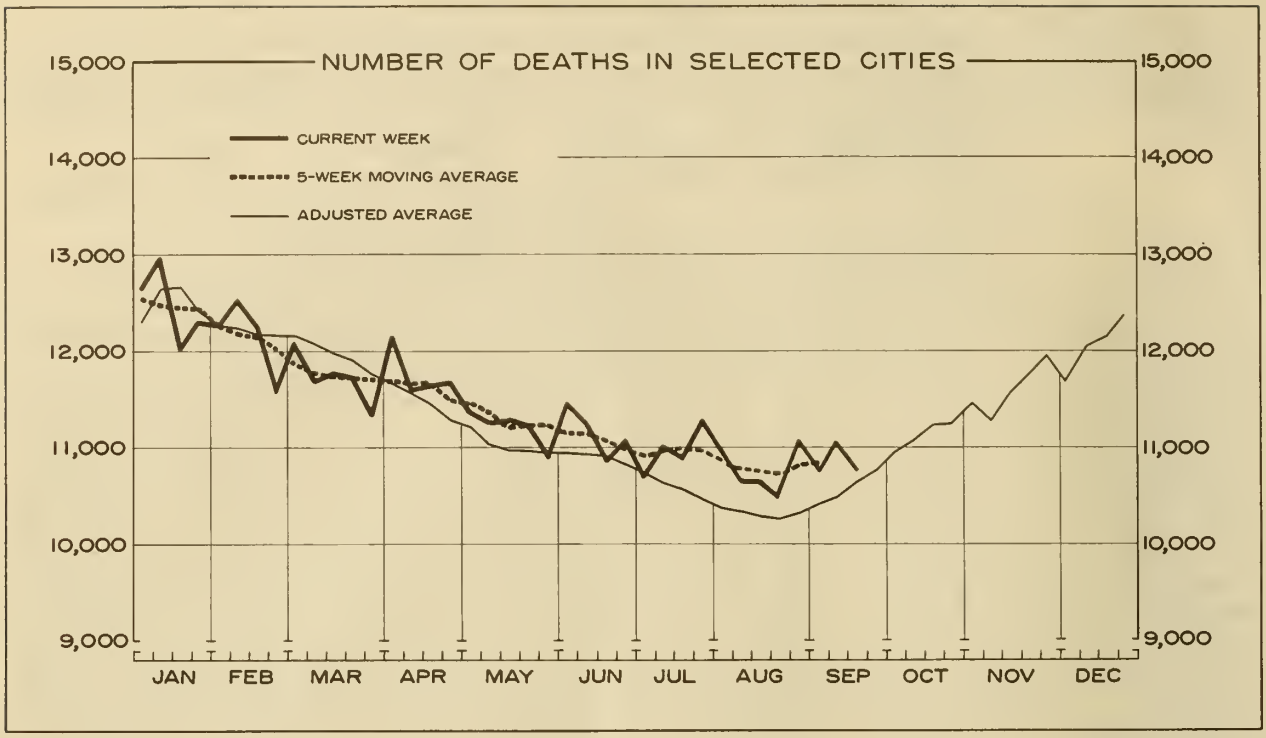
Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	38th Week		Cumulative, first 38 weeks		082		38th Week		Cumulative, first 38 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	12	19	401	469	38	58	1,213	898	56,164	27,810	627	733
NEW ENGLAND	-	-	6	10	4	1	78	14	1,703	832	27	131
Maine	-	-	-	2	-	-	5	1	109	50	13	2
New Hampshire	-	-	-	-	-	-	12	-	152	25	5	6
Vermont	-	-	-	-	-	-	8	1	174	12	-	33
Massachusetts	-	-	5	7	1	1	32	7	668	414	-	80
Rhode Island	-	-	-	1	1	-	4	1	205	162	-	-
Connecticut	-	-	1	-	2	-	17	4	395	169	9	10
MIDDLE ATLANTIC	-	-	20	13	4	6	156	191	7,724	3,296	75	76
New York	-	-	7	3	-	4	71	129	3,273	1,785	44	45
New Jersey	-	-	-	2	-	2	27	9	1,850	222	13	9
Pennsylvania	-	-	13	8	4	-	58	53	2,601	1,289	18	22
EAST NORTH CENTRAL	-	-	15	36	5	17	201	145	11,227	5,042	162	148
Ohio	-	-	1	15	5	5	76	59	3,776	1,714	20	19
Indiana	-	-	1	5	-	11	15	15	1,715	568	26	17
Illinois	-	-	10	5	-	-	43	38	1,970	1,061	35	10
Michigan	-	-	3	9	-	1	64	28	3,489	1,520	43	36
Wisconsin	-	-	-	2	-	-	3	5	277	179	38	66
WEST NORTH CENTRAL	-	1	35	25	11	5	86	53	5,443	1,949	12	31
Minnesota	-	1	24	7	-	-	19	14	1,186	230	-	-
Iowa	-	-	1	7	-	3	32	13	1,594	332	3	8
Missouri	-	-	-	2	1	1	23	11	1,226	709	7	1
North Dakota	-	-	2	1	-	-	-	-	126	141	1	21
South Dakota	-	-	6	5	-	1	6	2	147	129	1	-
Nebraska	-	-	2	1	2	-	6	8	561	207	-	1
Kansas	-	-	-	2	8	-	-	5	603	201	NN	NN
SOUTH ATLANTIC	8	7	88	140	5	11	155	80	6,987	3,253	69	59
Delaware	-	-	-	-	1	-	8	6	166	200	-	2
Maryland	-	-	1	1	1	9	15	14	639	336	29	3
District of Columbia	-	-	2	-	-	-	6	-	89	40	-	-
Virginia	-	2	15	18	-	1	16	5	1,103	634	10	13
West Virginia	-	-	1	4	-	-	32	20	1,311	611	19	19
North Carolina	-	-	7	7	-	-	43	8	1,524	281	1	1
South Carolina	3	1	8	43	-	1	7	1	358	51	1	6
Georgia	1	1	23	22	-	-	6	4	624	214	-	-
Florida	4	3	31	45	3	-	22	22	1,173	886	9	15
EAST SOUTH CENTRAL	-	1	32	47	2	5	214	143	8,438	3,992	18	24
Kentucky	-	-	8	1	-	1	55	57	2,479	1,472	2	2
Tennessee	-	-	3	7	-	3	85	43	3,345	1,297	14	20
Alabama	-	1	16	22	-	1	29	21	1,468	863	1	2
Mississippi	-	-	5	17	2	-	45	22	1,146	360	1	-
WEST SOUTH CENTRAL	4	10	191	162	6	5	90	45	4,089	2,235	79	69
Arkansas	-	6	4	11	1	1	23	2	810	115	-	1
Louisiana	-	2	23	33	-	-	-	6	425	118	-	1
Oklahoma	2	2	7	16	-	-	6	6	275	280	-	-
Texas	2	-	157	102	5	4	61	31	2,579	1,722	79	67
MOUNTAIN	-	-	8	35	-	3	56	52	3,385	2,241	64	57
Montana	-	-	2	3	-	-	6	6	304	103	24	4
Idaho	-	-	-	11	-	-	8	2	249	262	-	3
Wyoming	-	-	-	5	-	2	1	-	136	23	-	-
Colorado	-	-	4	3	-	-	18	15	1,141	814	7	16
New Mexico	-	-	1	4	-	-	6	7	371	270	NN	-
Arizona	-	-	-	3	-	1	3	11	520	496	19	15
Utah	-	-	-	6	-	-	5	5	545	198	14	17
Nevada	-	-	1	-	-	-	9	6	119	75	-	2
PACIFIC	-	-	6	1	1	5	177	175	7,168	4,970	121	138
Washington	-	-	-	-	-	2	22	24	812	563	13	27
Oregon	-	-	-	-	-	-	26	32	1,091	813	26	44
California	-	-	2	-	1	3	117	114	4,881	3,367	70	63
Alaska	-	-	4	1	-	-	12	2	333	153	12	3
Hawaii	-	-	-	-	-	-	-	3	51	74	-	1
Puerto Rico	-	-	48	110	-	-	10	6	742	597	76	3

NN-Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED SEPTEMBER 24, 1960 AND SEPTEMBER 23, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria 110-117	Meningoccocal infections 057		Psittacosis 096.2	Streptococcal sore throat, etc. 050,051	Typhoid fever 040				Typhus fever, endemic 101	Rabies in animals	
						38th Week		Cumulative, first 38 weeks				
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	1	29	34	-	3,209	20	27	580	592	2	61	46
NEW ENGLAND	-	2	-	-	103	1	-	18	8	-	-	-
Maine	-	-	-	-	-	-	-	1	2	-	-	-
New Hampshire	-	-	-	-	1	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	1	-	-	36	1	-	12	3	-	-	-
Rhode Island	-	-	-	-	5	-	-	2	-	-	-	-
Connecticut	-	1	-	-	61	-	-	3	3	-	-	-
MIDDLE ATLANTIC	1	5	5	-	90	2	1	70	42	-	4	6
New York	1	1	4	-	53	1	1	35	28	-	4	6
New Jersey	-	1	1	-	16	-	-	17	1	-	-	-
Pennsylvania	-	3	-	-	21	1	-	18	13	-	-	-
EAST NORTH CENTRAL	-	14	7	-	184	3	1	78	76	-	4	4
Ohio	-	-	-	-	21	1	1	26	20	-	3	-
Indiana	-	-	-	-	80	-	-	19	22	-	-	1
Illinois	-	6	1	-	14	-	-	25	20	-	1	-
Michigan	-	7	5	-	36	1	-	5	9	-	-	3
Wisconsin	-	1	1	-	33	1	-	3	5	-	-	-
WEST NORTH CENTRAL	-	1	4	-	110	2	2	31	36	-	14	9
Minnesota	-	-	-	-	1	-	-	5	1	-	4	-
Iowa	-	-	1	-	17	-	-	1	6	-	2	2
Missouri	-	1	-	-	35	2	2	19	21	-	5	5
North Dakota	-	-	-	-	18	-	-	-	1	-	1	-
South Dakota	-	-	-	-	-	-	-	3	3	-	2	2
Nebraska	-	-	3	-	-	-	-	1	2	-	-	-
Kansas	-	-	-	-	39	-	-	2	2	-	-	-
SOUTH ATLANTIC	-	-	3	-	353	2	6	92	91	1	4	10
Delaware	-	-	-	-	1	-	-	1	1	-	-	-
Maryland	-	-	1	-	8	-	1	2	4	-	-	-
District of Columbia	-	-	-	-	2	-	-	10	7	-	-	-
Virginia	-	-	-	-	120	-	2	14	20	-	1	2
West Virginia	-	-	-	-	116	-	2	9	9	-	-	6
North Carolina	-	-	-	-	10	-	-	13	8	1	-	-
South Carolina	-	-	1	-	25	2	-	8	11	-	-	-
Georgia	-	-	-	-	2	-	1	25	21	-	-	1
Florida	-	-	1	-	69	-	-	10	10	-	3	1
EAST SOUTH CENTRAL	-	1	2	-	795	2	7	59	82	-	3	4
Kentucky	-	-	1	-	36	2	-	12	15	-	1	3
Tennessee	-	-	-	-	746	-	6	39	48	-	2	1
Alabama	-	1	-	-	5	-	1	6	14	-	-	-
Mississippi	-	-	1	-	8	-	-	2	5	-	-	-
WEST SOUTH CENTRAL	-	2	2	-	506	4	6	126	171	1	24	5
Arkansas	-	2	-	-	-	3	2	21	39	-	10	-
Louisiana	-	-	1	-	3	-	-	16	54	-	-	2
Oklahoma	-	-	-	-	8	-	2	12	12	-	-	-
Texas	-	-	1	-	495	1	2	77	66	1	14	3
MOUNTAIN	-	-	3	-	772	3	-	52	31	-	3	2
Montana	-	-	1	-	25	-	-	16	9	-	-	-
Idaho	-	-	-	-	47	-	-	1	2	-	-	-
Wyoming	-	-	-	-	-	-	-	3	4	-	-	-
Colorado	-	-	2	-	329	-	-	6	-	-	-	-
New Mexico	-	-	-	-	157	3	-	14	8	-	1	2
Arizona	-	-	-	-	107	-	-	6	7	-	2	-
Utah	-	-	-	-	104	-	-	2	1	-	-	-
Nevada	-	-	-	-	3	-	-	4	-	-	-	-
PACIFIC	-	4	8	-	296	1	4	54	55	-	5	6
Washington	-	-	-	-	105	-	-	7	5	-	-	-
Oregon	-	1	2	-	21	-	-	1	8	-	-	-
California	-	3	5	-	144	1	4	46	41	-	5	6
Alaska	-	-	1	-	19	-	-	-	1	-	-	-
Hawaii	-	-	-	-	7	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	9	-	-	17	17	-	-	2



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	38th week ended Sept. 23, 1961	37th week ended Sept. 16, 1961	Adjusted average, 38th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 38 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	10,776	11,035	10,634	+1.3	435,317	438,615	-0.8
New England (14 cities)	611	706	634	-3.6	26,684	27,356	-2.5
Middle Atlantic (20 cities)	2,993*	3,124	2,902	+3.1	124,167	121,283	+2.4
East North Central (21 cities)	2,336*	2,384	2,295	+1.8	93,054	94,948	-2.0
West North Central (9 cities)	748	768	740	+1.1	29,657	30,565	-3.0
South Atlantic (11 cities)	883	884	883	0.0	37,578	37,681	-0.3
East South Central (8 cities)	505	565	491	+2.9	19,707	19,962	-1.3
West South Central (13 cities)	1,034	907	971	+6.5	37,249	38,509	-3.3
Mountain (8 cities)	361	360	341	+5.9	13,870	13,747	+0.9
Pacific (13 cities)	1,305*	1,337	1,377	-5.2	53,351	54,564	-2.2

*Includes estimate for missing reports.

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	38th week ended Sept. 23, 1961	37th week ended Sept. 16, 1961	Cumulative, first 38 weeks 1961	Cumulative, first 38 weeks 1960
NEW ENGLAND:				
Boston, Mass.	221	264	9,162	9,498
Bridgeport, Conn.	36	42	1,457	1,568
Cambridge, Mass.	25	36	1,104	1,192
Fall River, Mass.	30	19	1,021	1,076
Hartford, Conn.	40	43	1,820	1,834
Lowell, Mass.	25	15	922	909
Lynn, Mass.	24	28	827	916
New Bedford, Mass.	18	26	986	935
New Haven, Conn.	36	43	1,740	1,703
Providence, R.I.	45	63	2,362	2,425
Somerville, Mass.	8	15	500	504
Springfield, Mass.	39	34	1,687	1,709
Waterbury, Conn.	16	26	1,018	1,040
Worcester, Mass.	48	52	2,078	2,047
MIDDLE ATLANTIC:				
Albany, N.Y.	40	35	1,728	1,657
Allentown, Pa.	35	32	1,311	1,316
Buffalo, N.Y.	138*	130	5,573	5,567
Camden, N.J.	36	47	1,625	1,618
Elizabeth, N.J.	33	42	1,119	1,120
Erie, Pa.	26	34	1,488	1,479
Jersey City, N.J.	54	63	2,635	2,701
Newark, N.J.	82	75	3,826	3,679
New York City, N.Y.	1,484	1,625	63,304	61,577
Paterson, N.J.	29	40	1,481	1,455
Philadelphia, Pa.	476	490	19,565	18,611
Pittsburgh, Pa.	211	186	7,249	7,357
Reading, Pa.	19	25	880	898
Rochester, N.Y.	104	105	3,838	3,804
Schenectady, N.Y.	27	16	911	909
Scranton, Pa.	40	26	1,347	1,417
Syracuse, N.Y.	60	65	2,328	2,344
Trenton, N.J.	39	45	1,709	1,572
Utica, N.Y.	32	22	1,071	1,035
Yonkers, N.Y.	28	21	1,179	1,167
EAST NORTH CENTRAL:				
Akron, Ohio	75	56	2,173	2,169
Canton, Ohio	31	32	1,169	1,322
Chicago, Ill.	728	659	28,175	29,339
Cincinnati, Ohio	140	160	5,933	5,966
Cleveland, Ohio	169	199	7,696	8,007
Columbus, Ohio	110	129	4,346	4,483
Dayton, Ohio	84	78	3,071	2,832
Detroit, Mich.	308	328	12,669	12,965
Evansville, Ind.	36	39	1,379	1,381
Flint, Mich.	26	48	1,618	1,531
Fort Wayne, Ind.	35	31	1,459	1,412
Gary, Ind.	29	25	1,157	1,196
Grand Rapids, Mich.	33	53	1,710	1,572
Indianapolis, Ind.	138	141	5,402	5,573
Madison, Wis.	33	34	1,250	1,207
Milwaukee, Wis.	120	122	4,662	4,758
Peoria, Ill.	28	29	1,072	1,150
Rockford, Ill.	28*	25	1,075	1,091
South Bend, Ind.	31	37	1,090	1,092
Toledo, Ohio	104	104	3,743	3,806
Youngstown, Ohio	50	55	2,205	2,096
WEST NORTH CENTRAL:				
Des Moines, Iowa	58	58	2,042	2,089
Duluth, Minn.	21	36	987	960
Kansas City, Kans.	30	30	1,411	1,327
Kansas City, Mo.	122	132	4,863	4,809
Lincoln, Nebr.	(25)	(32)	(1,051)	(990)
Minneapolis, Minn.	108	108	4,513	4,731
Omaha, Nebr.	72	70	2,635	2,805
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.	214	226	8,946	9,444
St. Paul, Minn.	69	60	2,503	2,665
Wichita, Kans.	54	48	1,757	1,735
SOUTH ATLANTIC:				
Atlanta, Ga.	86	111	4,286	4,513
Baltimore, Md.	213	214	9,355	9,584
Charlotte, N.C.	27	33	1,347	1,489
Jacksonville, Fla.	50	50	2,171	2,276
Miami, Fla.	78	59	2,889	2,782
Norfolk, Va.	44	41	1,892	1,533
Richmond, Va.	54	62	2,946	2,972
Savannah, Ga.	38	31	1,240	1,298
St. Petersburg, Fla.	(58)	(56)	(2,600)	(2,715)
Tampa, Fla.	58	48	2,530	2,496
Washington, D.C.	196	195	7,408	7,296
Wilmington, Del.	39	40	1,514	1,442
EAST SOUTH CENTRAL:				
Birmingham, Ala.	90	77	3,246	3,230
Chattanooga, Tenn.	51	49	1,783	1,791
Knoxville, Tenn.	39	35	1,056	1,068
Louisville, Ky.	86	142	4,356	4,378
Memphis, Tenn.	100	104	4,299	4,290
Mobile, Ala.	43	45	1,537	1,580
Montgomery, Ala.	43	46	1,213	1,325
Nashville, Tenn.	53	67	2,217	2,300
WEST SOUTH CENTRAL:				
Austin, Tex.	33	29	1,294	1,330
Baton Rouge, La.	30	27	1,039	1,090
Corpus Christi, Tex.	22	27	838	907
Dallas, Tex.	131	115	4,757	4,757
El Paso, Tex.	42	29	1,333	1,461
Fort Worth, Tex.	58	77	2,432	2,551
Houston, Tex.	222	128	6,273	6,445
Little Rock, Ark.	64	69	2,156	2,205
New Orleans, La.	161	153	6,394	6,868
Oklahoma City, Okla.	81	61	2,838	2,856
San Antonio, Tex.	99	99	3,885	3,856
Shreveport, La.	39	46	1,927	2,076
Tulsa, Okla.	52	47	2,083	2,107
MOUNTAIN:				
Albuquerque, N. Mex.	26	25	1,182	1,176
Colorado Springs, Colo.	8	14	608	629
Denver, Colo.	116	120	4,356	4,515
Ogden, Utah	18	14	637	630
Phoenix, Ariz.	94	83	3,135	2,947
Pueblo, Colo.	17	15	638	630
Salt Lake City, Utah	48	43	1,842	1,858
Tucson, Ariz.	34	46	1,472	1,362
PACIFIC:				
Berkeley, Calif.	20	22	659	639
Fresno, Calif.	(35)	(25)	(1,651)	(1,699)
Glendale, Calif.	(30)	(34)	(1,262)	(1,479)
Honolulu, Hawaii	44	36	1,513	1,581
Long Beach, Calif.	44	44	2,075	2,092
Los Angeles, Calif.	431	494	18,885	19,251
Oakland, Calif.	89	93	3,664	3,666
Pasadena, Calif.	39	27	1,256	1,310
Portland, Oreg.	131	90	4,056	4,213
Sacramento, Calif.	38	60	2,355	2,217
San Diego, Calif.	93	93	3,359	3,421
San Francisco, Calif.	182	196	7,400	7,539
San Jose, Calif.	(27)	(37)	(1,327)	(1,319)
Seattle, Wash.	108	108	4,921	5,267
Spokane, Wash.	43*	48	1,762	1,794
Tacoma, Wash.	43	26	1,446	1,574
San Juan, P. R.	(34)	(40)	(1,285)	(1,355)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

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Since the oral poliomyelitis immunization program began on August 29, there have been 25 cases of paralytic poliomyelitis. These cases have had onset as follows (3 day periods):

Oral	August	September						
Vaccine Status	29-31*	1-3	4-6	7-9	10-12	13-15	16-18	Total
No Vaccine	4	1	1	1	3	2	0	12
Vaccine	1	6	1	1	0	3	1	13

*Oral Vaccine administered during this three day period

Bat Rabies – Tennessee and Arkansas

Each of two States, Tennessee and Arkansas, recently reported its first laboratory confirmed case of rabies in bats.

On July 18, 1961, a university student's son found an injured bat under a tree at a Vanderbilt University graduate student housing facility. The bat was kept until it died on July 24, and then submitted to the State Department of Public Health for laboratory analyses. Examination for Negri bodies was negative but rabies was confirmed by fluorescent antibody technique.

Identification of the species of bat was made by the father and son by inspection of a collection of 14 species of indigenous bats. It was felt that this collection represented all species, except the hoary, reported in Tennessee. It was tentatively concluded that the rabid bat was a *Nycteria borealis*.

On August 17, 1961, a bat bit a woman resident of Little Rock, Arkansas. The bat had been lying enclosed in a small paper box in the front yard of this woman's residence. One of her children opened the box. The bat flew out and lit on the child's dress. In brushing the bat off the little girl's dress, the woman was bitten on the right index finger.

Examination of the bat's brain by fluorescent antibody technique at the Communicable Disease Center, Atlanta, Georgia made the diagnosis of rabies. The bat was not the dark type usually seen in Arkansas but was identified as an insectivorous bat which was light tan in color.

Several minutes after this episode was reported on a local television station, a man called to explain the mysterious presence of the bat in the paper box. He said that the bat in question had flown into his car on August 17. He had captured it in a paper box and discarded it. (Reported by Cecil B. Tucker, M.D., Director, Division of Preventable Diseases, Tennessee Department of Public Health, and Harvie R. Ellis, D.V.M., Director, Division of Veterinary Public Health, Arkansas State Health Department.)

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

QUARANTINE MEASURES

Immunization Information for International Travel

No Changes Reported

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